NITRILE SHEETING: FOR TRANSFORMER OIL

FEATURES High grade NBR.

- Excellent mechanical properties, compression set in particular
- Excellent temperature resistance

black | density 1.30 | hardness 70

- Excellent low temperature resistance
- Excellent ageing resistance
- Excellent hydrocarbons resistance
- Matte finish to guarantee a good surface finished quality, to secure an easy unrolling, and to facilitate adhesive bonding processes

BENEFITS

- ► Reliability
- Safety

APPLICATIONS

Cutting gaskets for sealing between the tank and the lid of immersed electrical transformers in contact with synthetic dielectric and mineral oils.

No resistance to pyralene.

www.trelleborg.com/elastomerlaminates

MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES Measured characteristics Standard

III LOINA										
Rubber compound						ınd			NBR	
Density								1.30 ± 0.05	g/cm ³	
Hardness							ASTM D2	ASTM D2240		Shore A
Tensile strength							ISO 3	7	≥13	MPa
Elongation at break							ISO 37		≥300	%
Tear resistance, crescent specimen							ISO 34-1		≥20	N/mm
Compression set after 70 h at 100 °C							ISO 815-1		≤40	%
TEMPE	RATURE									
Working temperature						ure			- 40/+ 130	°C
AGEING										
${}_{\Delta}$ Tensile strenght after 168 h at 70 °C						$^{\circ}C$	ASTM D573		≤-20	%
Δ Elongation at break after 168 h at 70 °C							ASTM D573		≤-30	%
Oil IRM 903, ${\scriptscriptstyle \Delta}$ Tensile strenght after 72 h at 100 °C							ASTM D573		≤-20	%
Oil IRM 903, Δ Elongation at break after 72 h at							ASTM D573		≤-40	%
100 °C										
OIL RESISTANCE								471	- 20/5	%
Oil IRM 901, Δ volume after 70 h at 100 °C Oil IRM 002 Λ systems where 70 h at 100 °C							ASTM D471		- 20/5 ± 5	%
Oil IRM 903, Δ volume after 70 h at 100 °C CHEMICAL RESISTANCE							ASTMID471		ΞЭ	70
CHEMICAL RESISTANCE Diluted acids and bases Concentrated acids and bases							Ozone		Oils and hydrocarbons	
	/ery goo		Good			4505	Medium		Very good	
					-				,	
	INSIO									
Thickness (mm)		Width (mm)		Length (m)			Weight (kg/m²)		Pattern	
2	± 0.3	1400	±2%	15	±2%		2.60		2 sides mat	t
3	± 0.3	1400	±2%	10	±2%		3.90		2 sides matt	
4	± 0.4	1400	±2%	10	±2%		5.20		2 sides mat	t
5	± 0.4	1400	±2%	10	±2%		6.50	1 sid	1 side smooth/1 side matt	
6	6 ± 0.5 1400 ± 2 % 10		±2%		7.80 1 :		ide smooth/1 side matt			
IDEN	TIFIC4	TION								

IDENTIFICATION							
Branding	Without.						
Packaging	Thickness ≤ 6 mm rolled on cardboard tube Ø 80 mm. Thickness > 6 mm in roll.						
Wrapping	Black polyethylene film.						
Labelling	Self-adhesive label indicating product name, dimensions, area in m ² , nominal						

weight, and product code to allow product traceability.

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Value

TRELLEBORG